

ABSTRACT OF THE DISCLOSURE

A number of novel configurations for MPEG-4 playback, browsing and user interaction are disclosed. MPEG-4 playback systems are not simple extensions of MPEG-2 playback systems, but, due to object based nature of MPEG-4, present new opportunities and challenges in synchronized management of independent coded objects as well as scene composition and presentation. Therefore, these configurations allow significantly new and enhanced multimedia services and systems. In addition, MPEG-4 aims for an advanced functionality, called Adaptive Audio Visual Session (AAVS) or MPEG-J. Adaptive Audio Visual Session (AAVS) (i.e., MPEG-AAVS, MPEG-Java or MPEG-J) requires, in addition to the definition of configurations, a definition of an application programming interface (API) and its organization into Java packages. Also disclosed are concepts leading to definition of such a framework.